



# Microwave



## Status

- Instruments stable & working well
- Now in routine operation
- AMSU-A1 timing problem fixed
- "Use L1B with caution"

## Performance

- Radiometric sensitivity exceeds specs
- Prelim. pointing excellent
- Moderate radiometric accuracy
- No gross problems apparent

## Near-term plans

- Select optimal space view
- Select MW focus day
- Update calibration algorithm
- Update calibration parameters
- Definitive pointing analysis
- Institute  $\mu$ WG telecons

## Caveats & "features"

- AMSU ch.7 correlated noise
- AMSU-A1 & HSB scan asymmetry
- (AMSU-A1 timing problem fixed)
- Poor HSB space-cal until 6/23
- Cal. accuracy not very good yet
- No far sidelobe (limb) corrections yet

## Noteworthy

- Nadir-stare data good for pt'ing analysis
  - Along-track errors:  $\pm 5$ -10%
- Moon in HSB SV during SV sequences
  - $\Delta T_b \sim 20K$  @  $1/3^\circ$
- AMSU ch.7 noise
  - Probably due to S/C C-band xmtr
- HSB SV-1 used until 6/23
  - Nearest Earth; catches limb  $\Rightarrow$  poor cal
- RF shelf temperatures extremely stable
  - $< 1^\circ C$